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Abstract of JP9040761

PROBLEM TO BE SOLVED: To obtain a polylactic acid block copolymer excellent in crystallinity, heat resistance, flexibility and toughness by forming a block copolymer consisting of crystalline segments and amorphous segments of lactic acid. **SOLUTION:** This polylactic acid block copolymer is one in which crystalline segments comprising a substantial homopolymer of poly-L-lactic acid or poly-D-lactic acid are combined with amorphous segments composed mainly of L-lactic acid and D-lactic acid. The heat absorption on melting of the crystal of the copolymer is preferably at least 5J/g. This copolymer is obtained by reacting an amorphous polymer composed mainly of L-lactic acid and D-lactic acid and having a hydroxyl group at least on one end with L-lactide or D-lactide, or reacting a substantial homopolymer or L-lactic acid or D-lactic acid having a hydroxyl group at least on one end with L-lactide, D-lactide and/or LD-lactide.

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